

FIG. 1

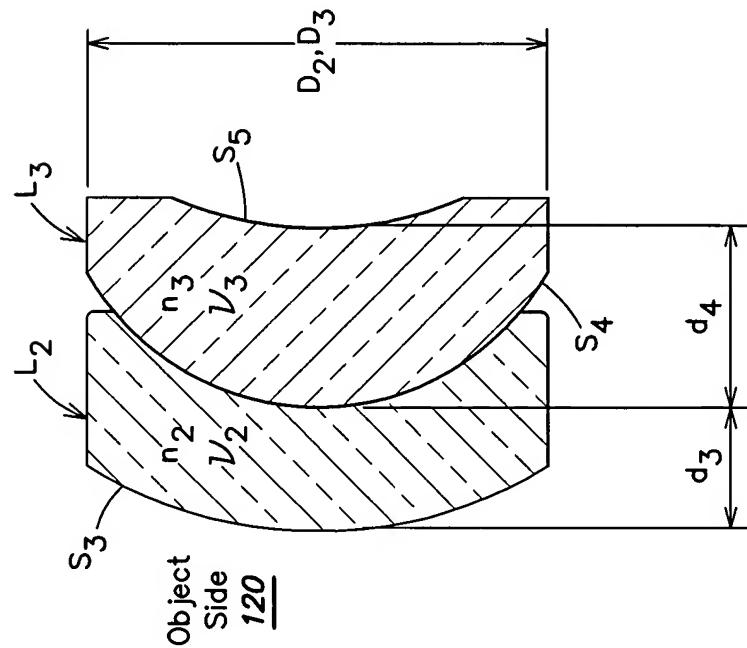


FIG. 3

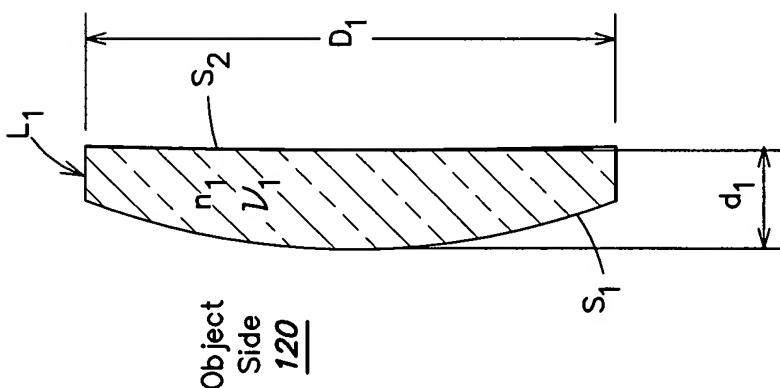


FIG. 2

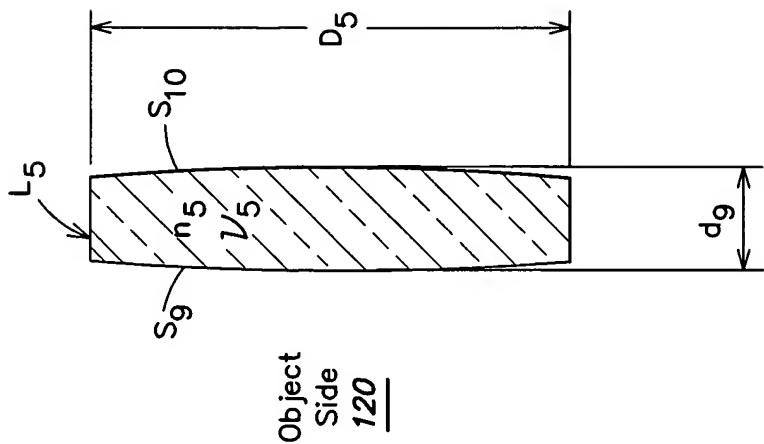


FIG. 5

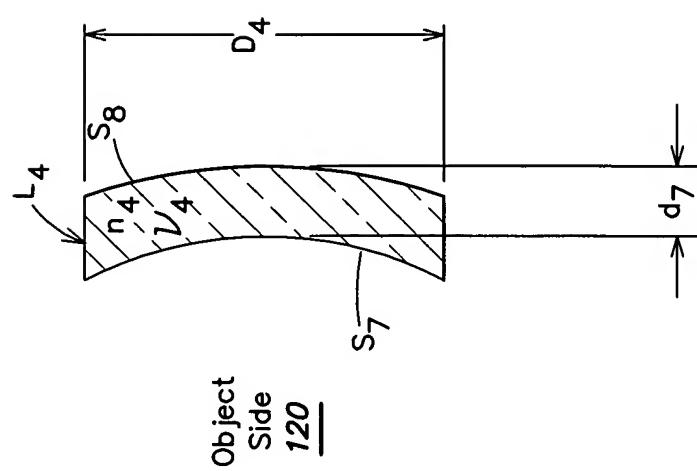


FIG. 4

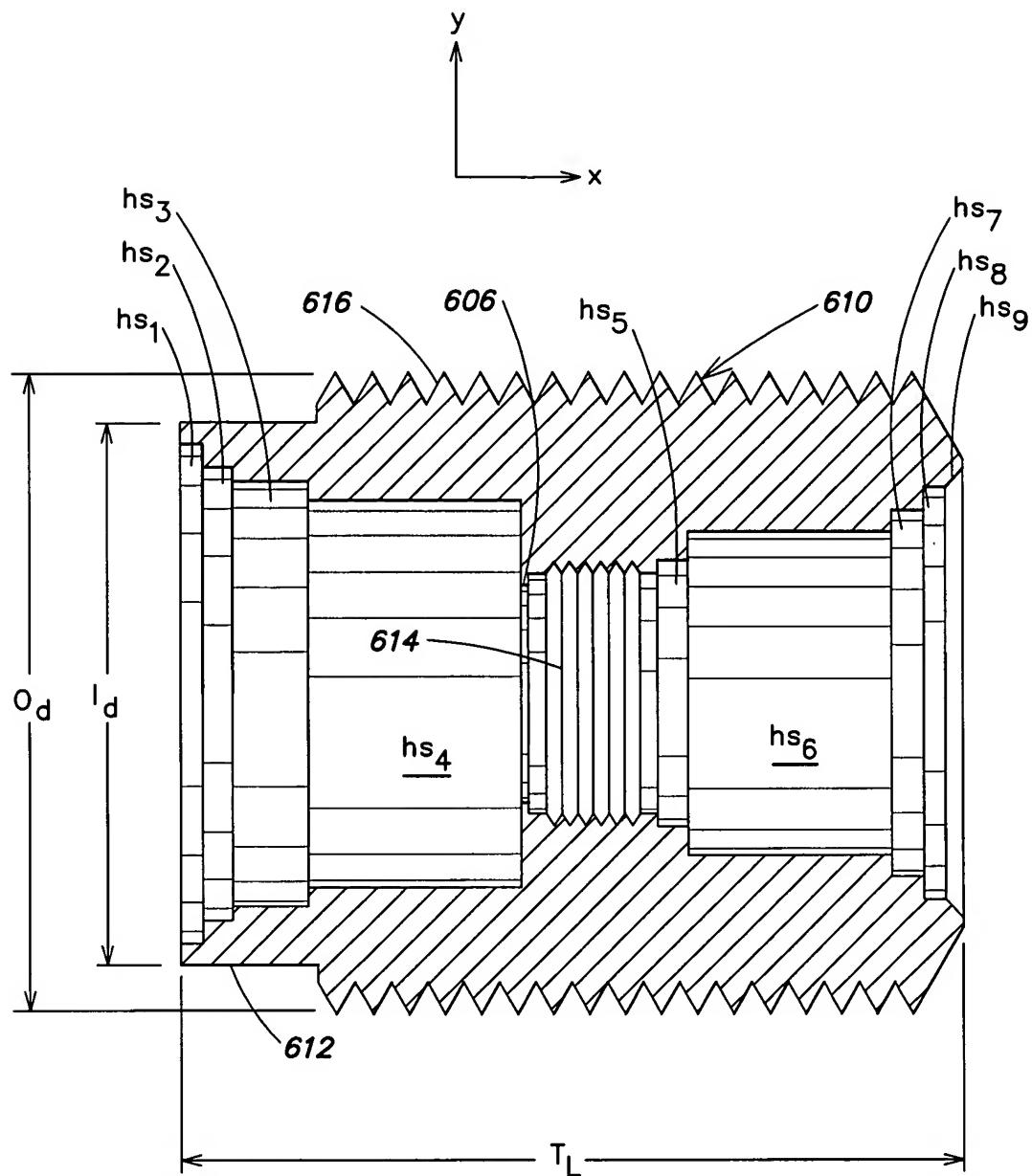


FIG. 6

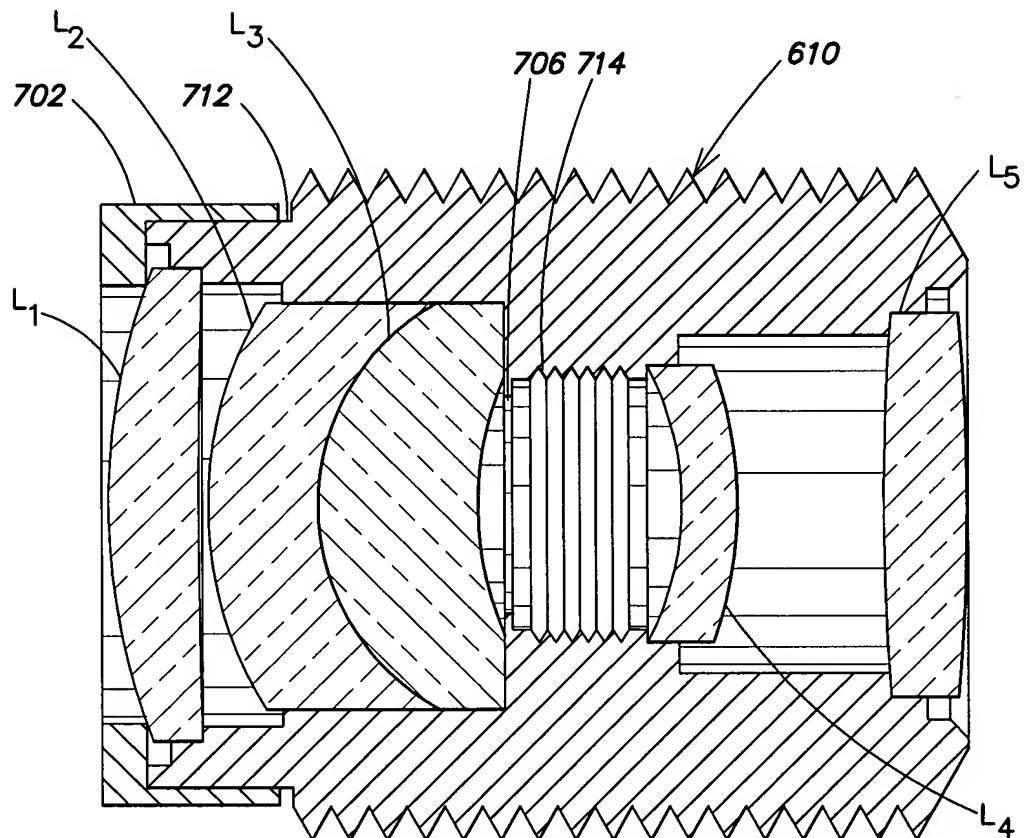


FIG. 7

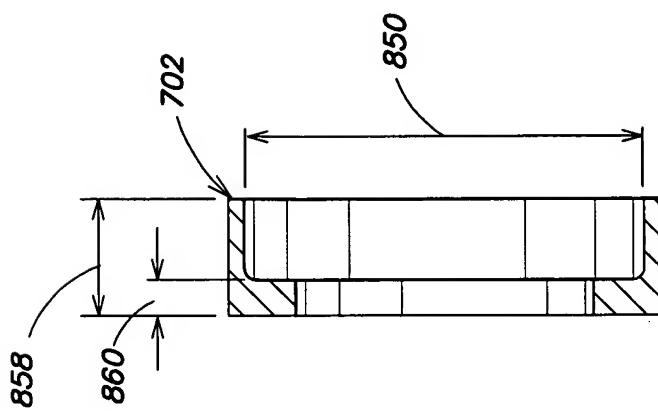


FIG. 8B

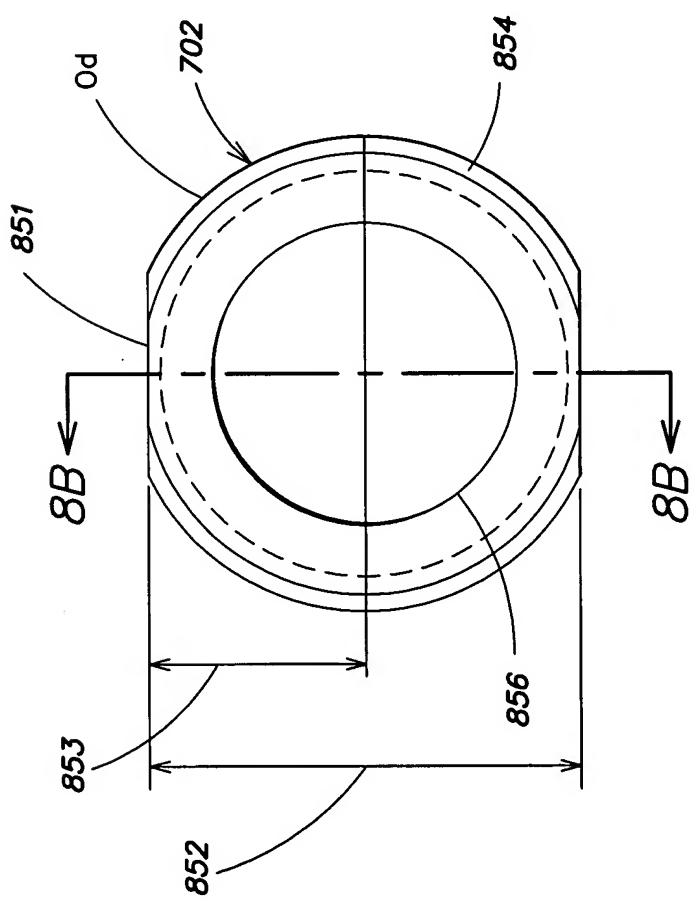


FIG. 8A

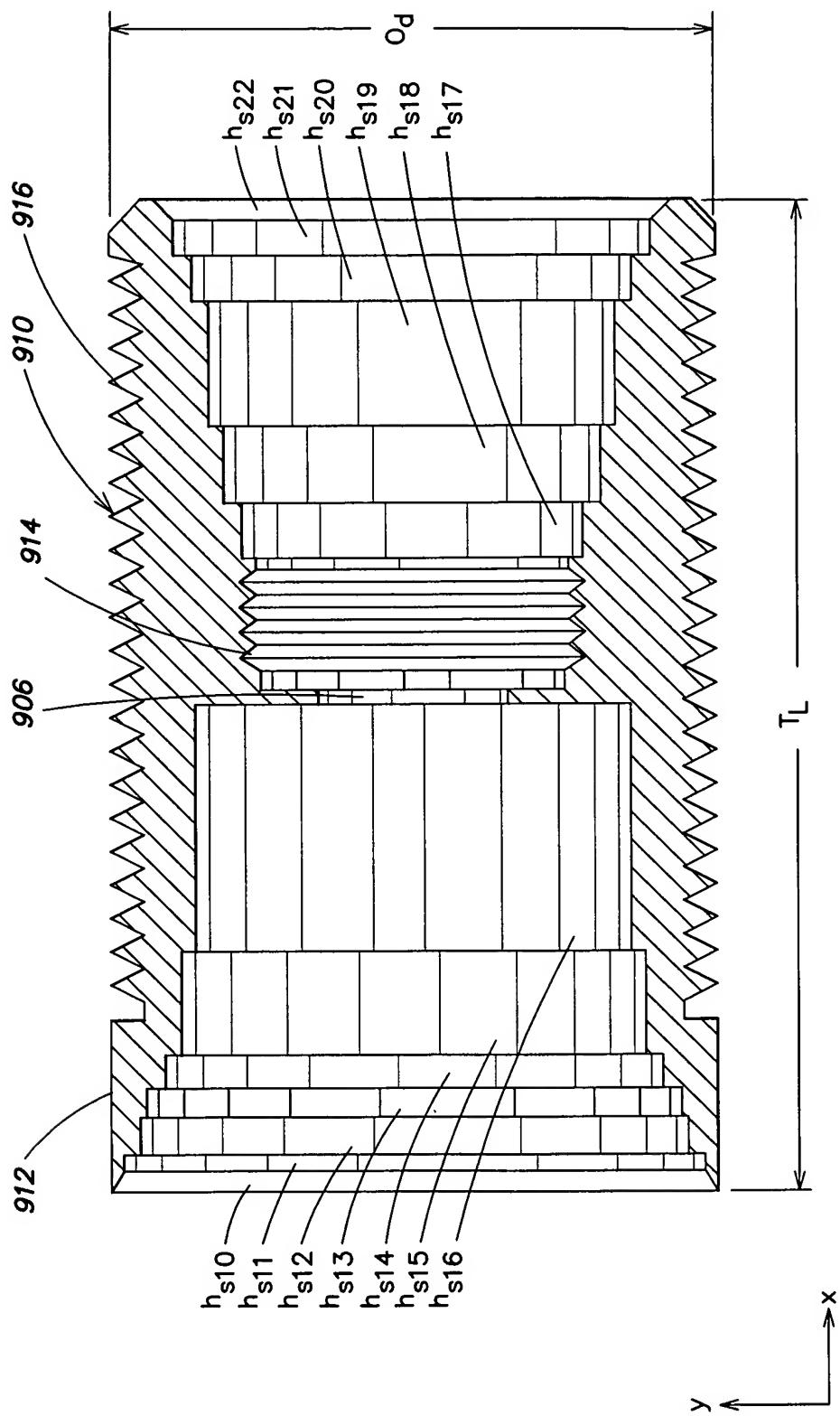


FIG. 9

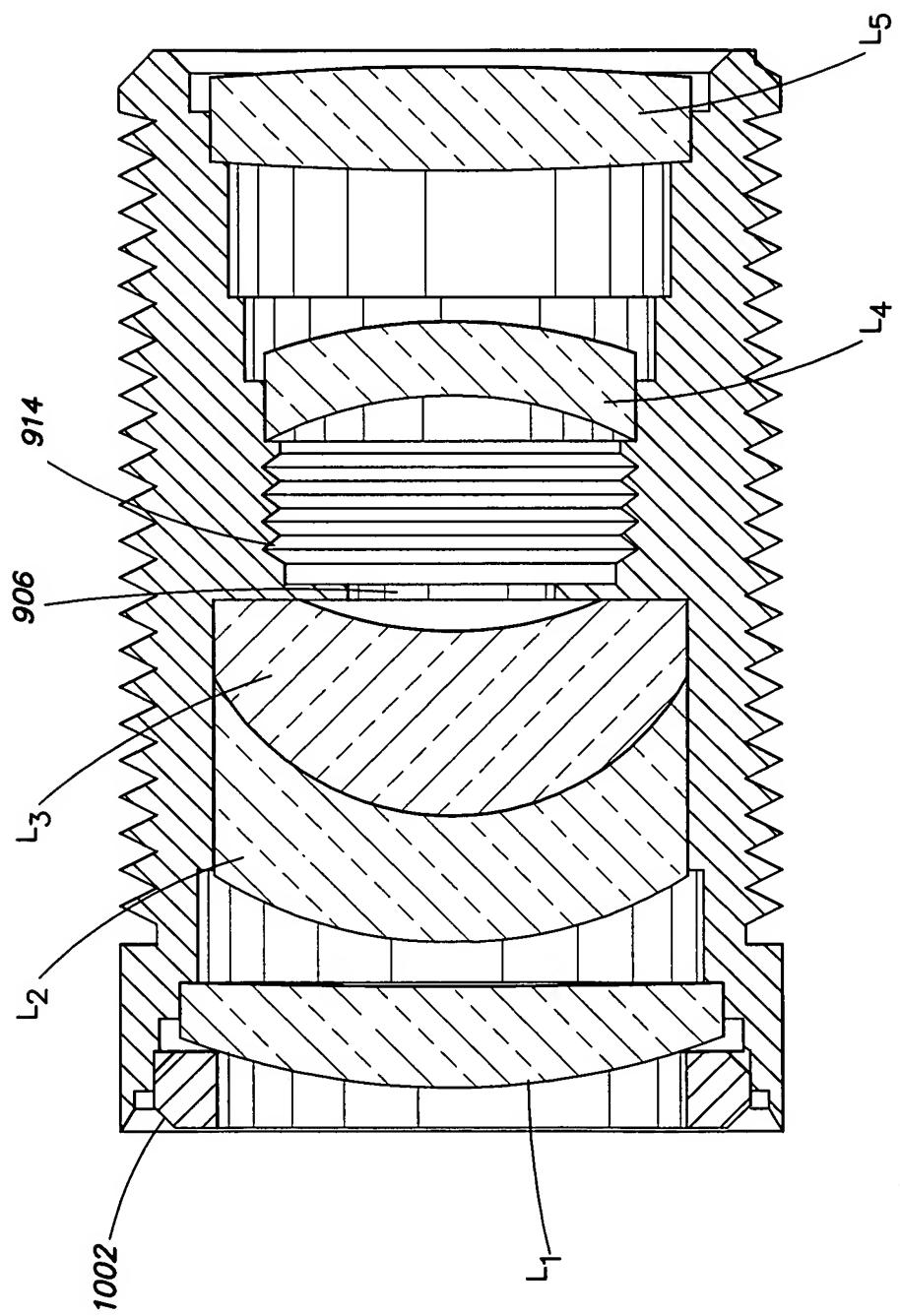


FIG. 10

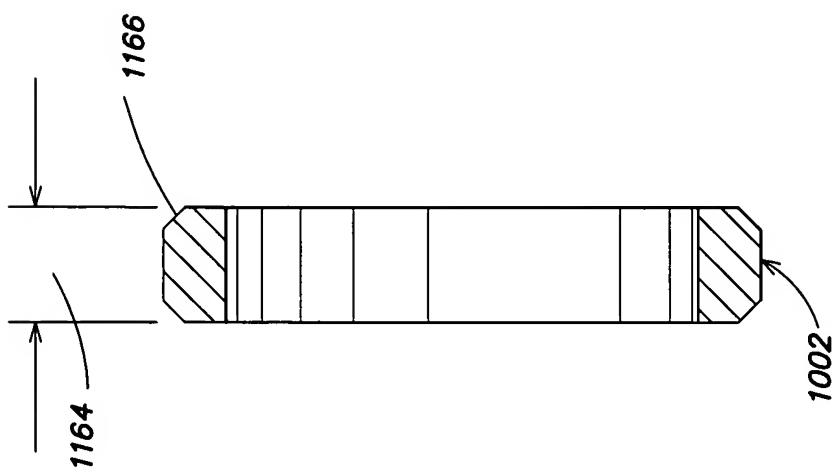


FIG. 11B

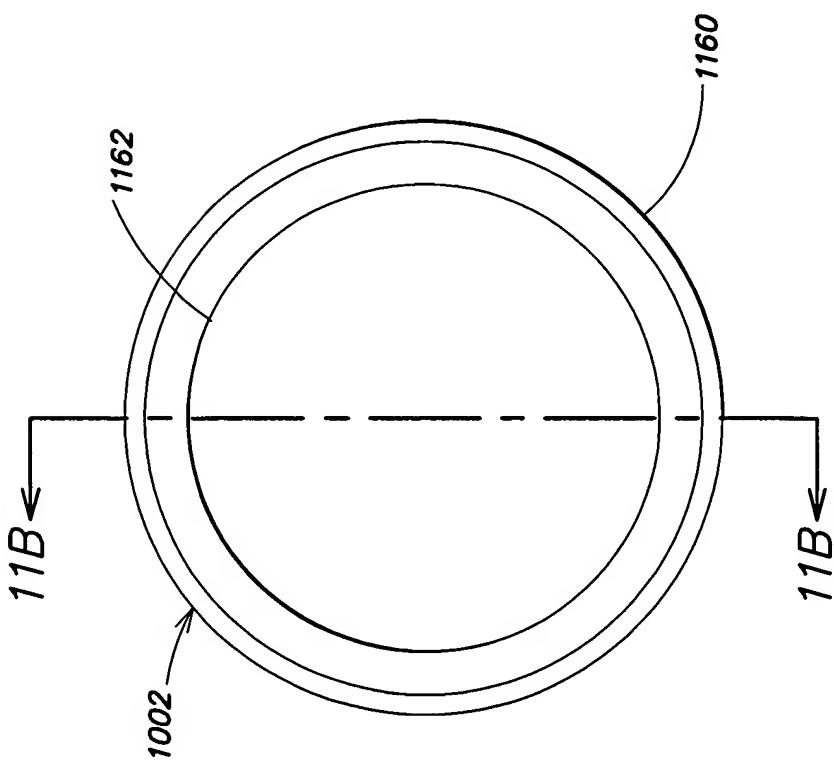


FIG. 11A

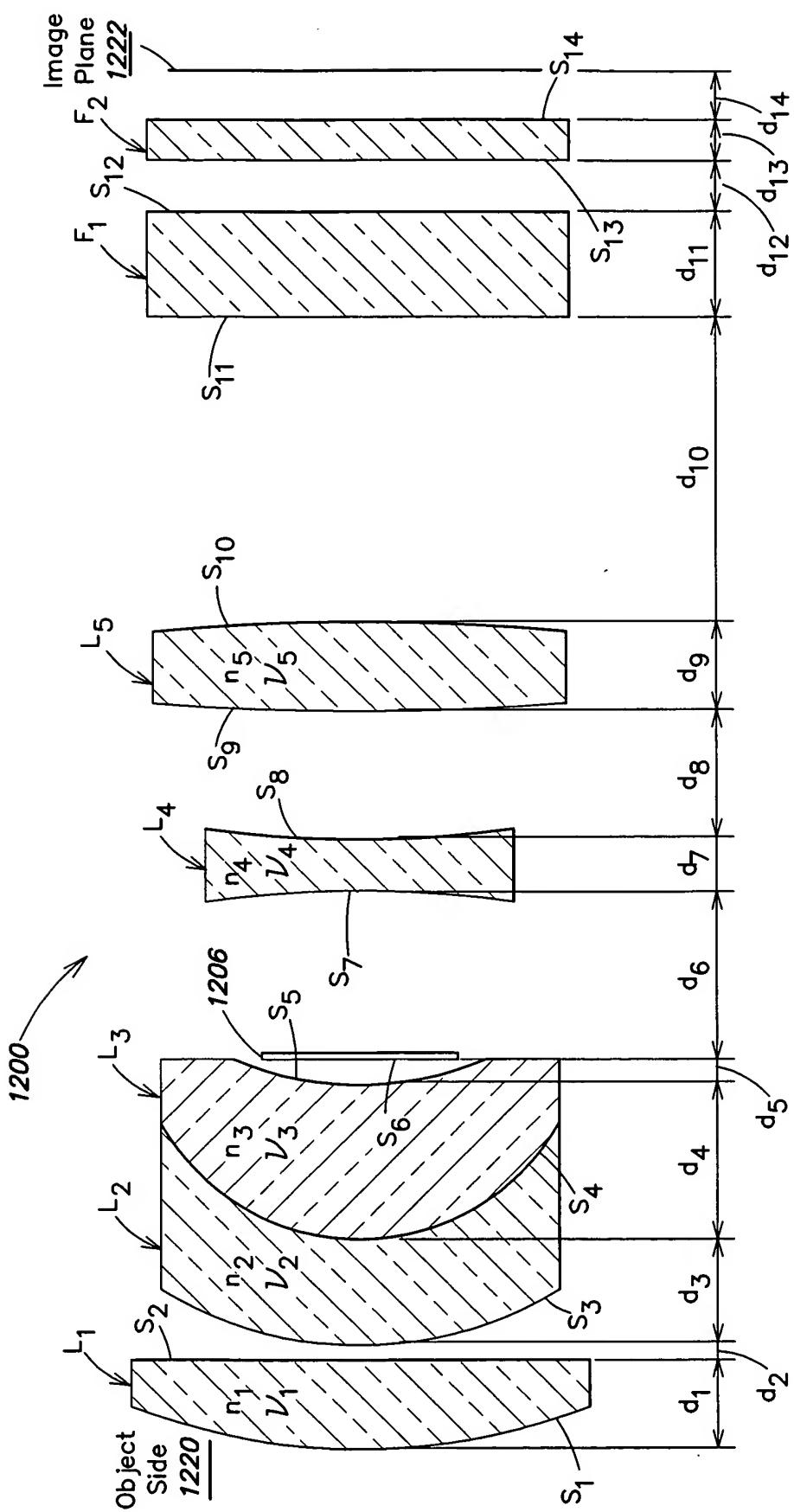
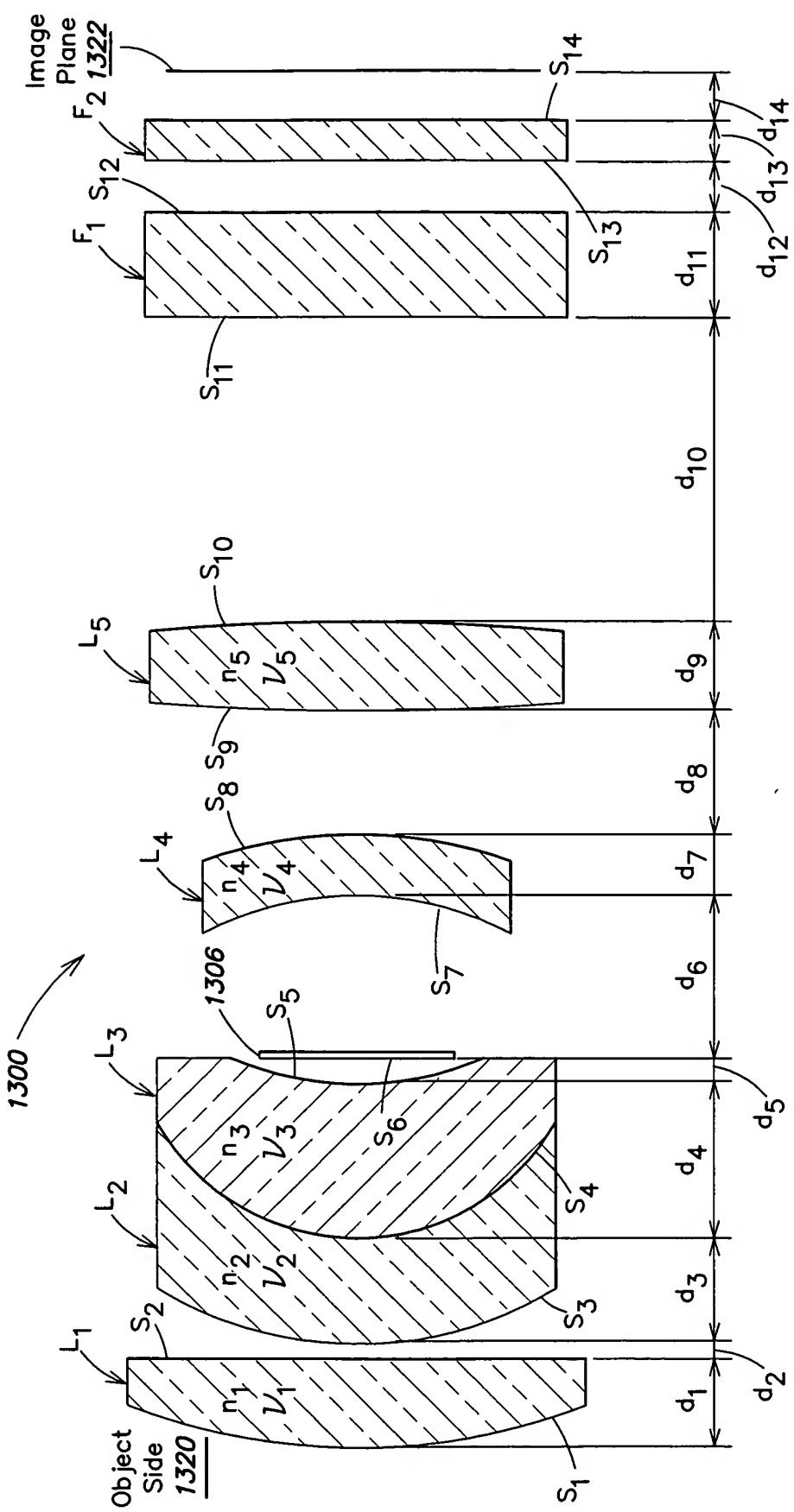


FIG. 12



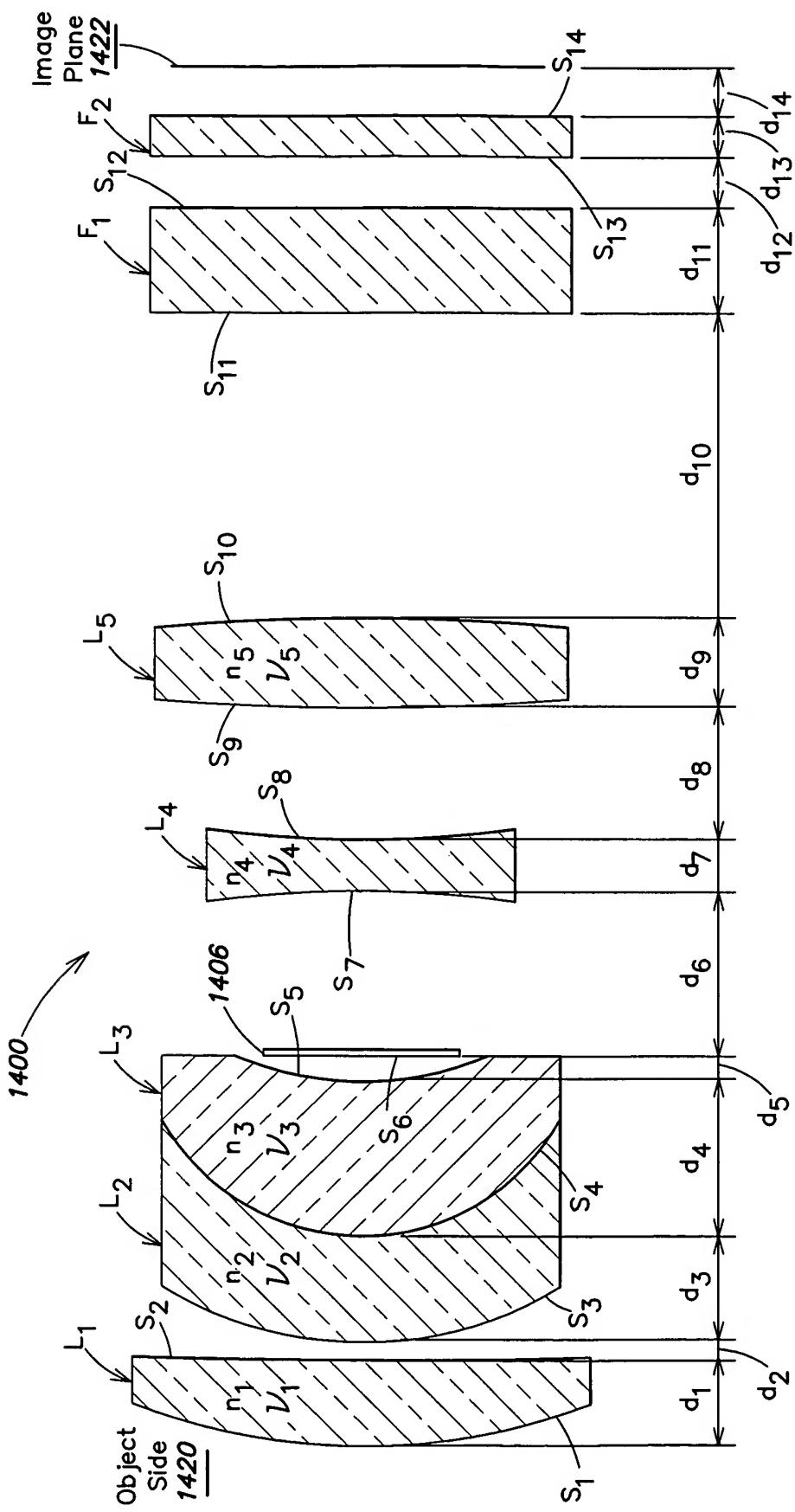


FIG. 14

@Wavelength 0.5876 Microns
 Petzval Radius -704.0739

Seidel Aberration Coefficients in Waves:

Surf	W040	W131	W222	W311	W020	W111
S1	2.063646	1.180533	0.168834	1.737566	0.521143	-2.221268
S2	0.185990	-1.569347	3.310467	-0.210552	-6.094979	-0.667380
S3	0.958762	0.674738	0.118713	3.889814	1.389634	-10.712959
S4	-1.116244	-0.174950	-0.006855	-0.928469	-0.073028	11.516959
S5	-0.412209	-1.371710	-1.141160	-4.812696	-8.956968	2.121614
S6 (STOP)	0.000000	0.000000	0.000000	0.000000	0.000000	3.530049
S7	-3.401465	5.243140	-2.020490	-4.120822	3.954605	2.955132
S8	1.611063	-3.049674	1.443226	3.261925	-3.770335	-2.366120
S9	-0.020738	0.497832	-2.987688	0.630448	10.363169	0.404717
S10	0.389379	-1.507552	1.459192	0.630448	-2.632830	-1.196036
S11	-0.077353	0.475245	-0.729958	0.000000	1.121187	0.277620
S12	0.062114	-0.381622	0.586157	0.000000	-0.900314	-0.222929
S13	-0.038423	0.236066	-0.362588	0.000000	0.556921	0.112778
S14	0.023231	-0.142726	0.219222	0.000000	-0.336717	-0.068186
IMAGE	0.000000	0.000000	0.000000	0.000000	0.000000	0.209462
TOTAL	0.227751	0.109971	0.057072	0.077661	-4.858511	-0.066057
						-0.042314

FIG. 15

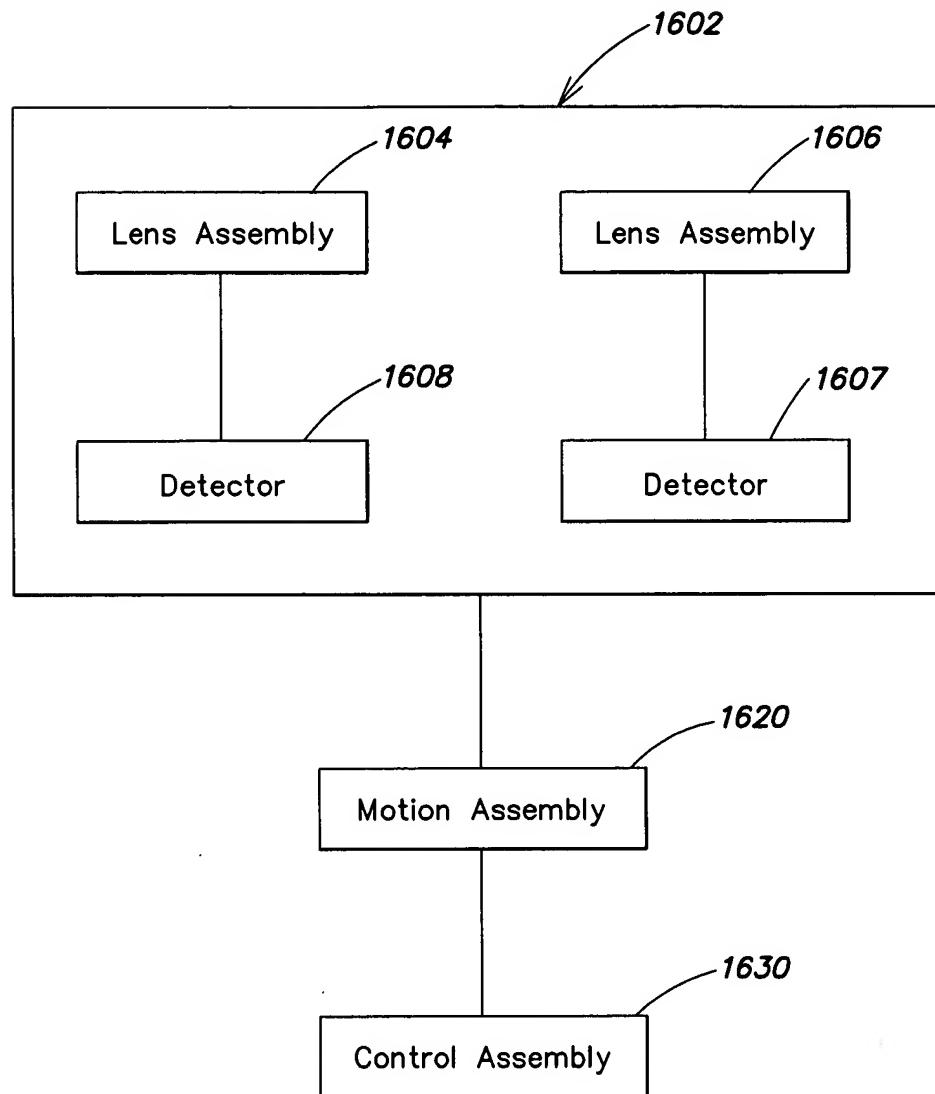


FIG. 16

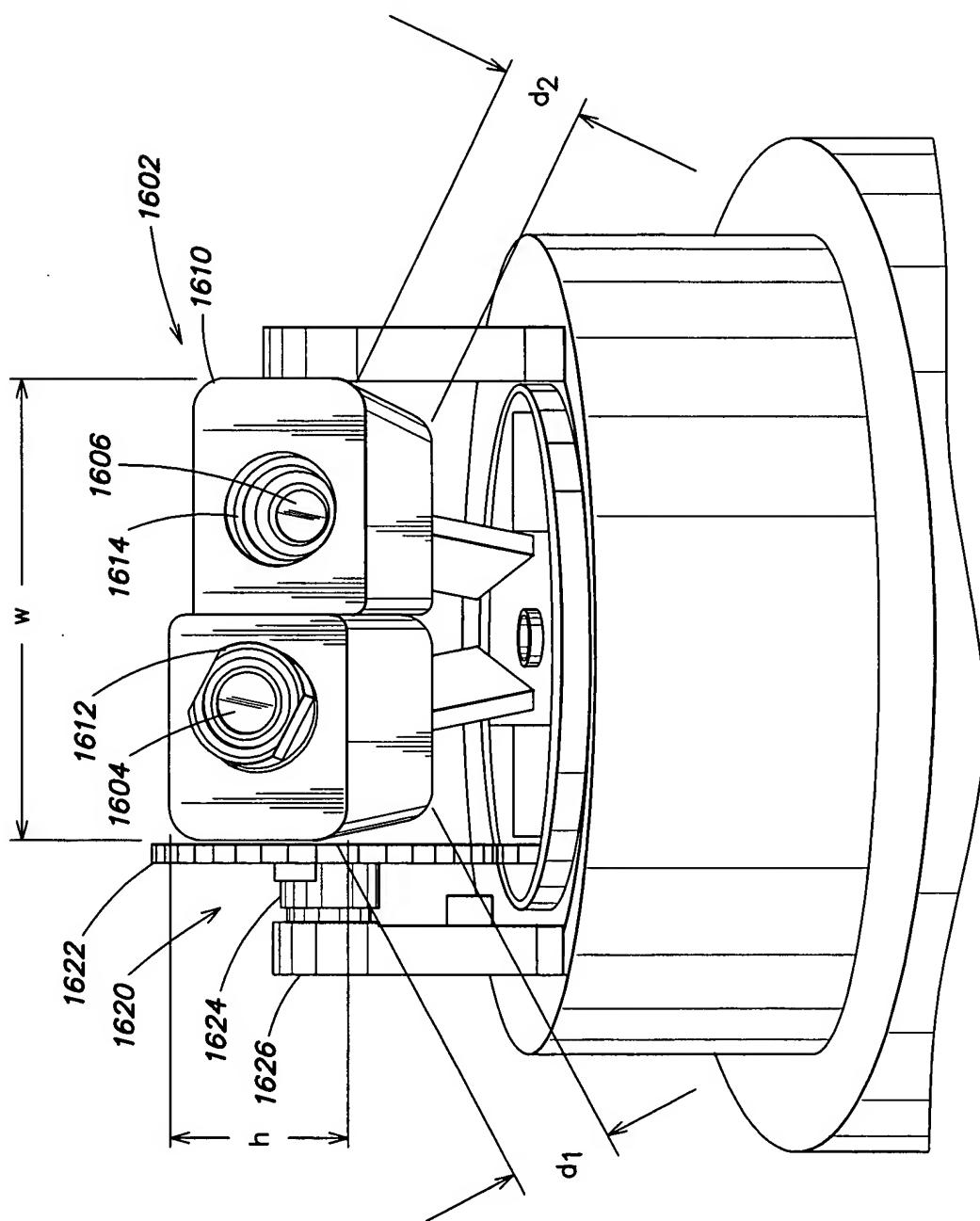


FIG. 17